

1958

RECORD

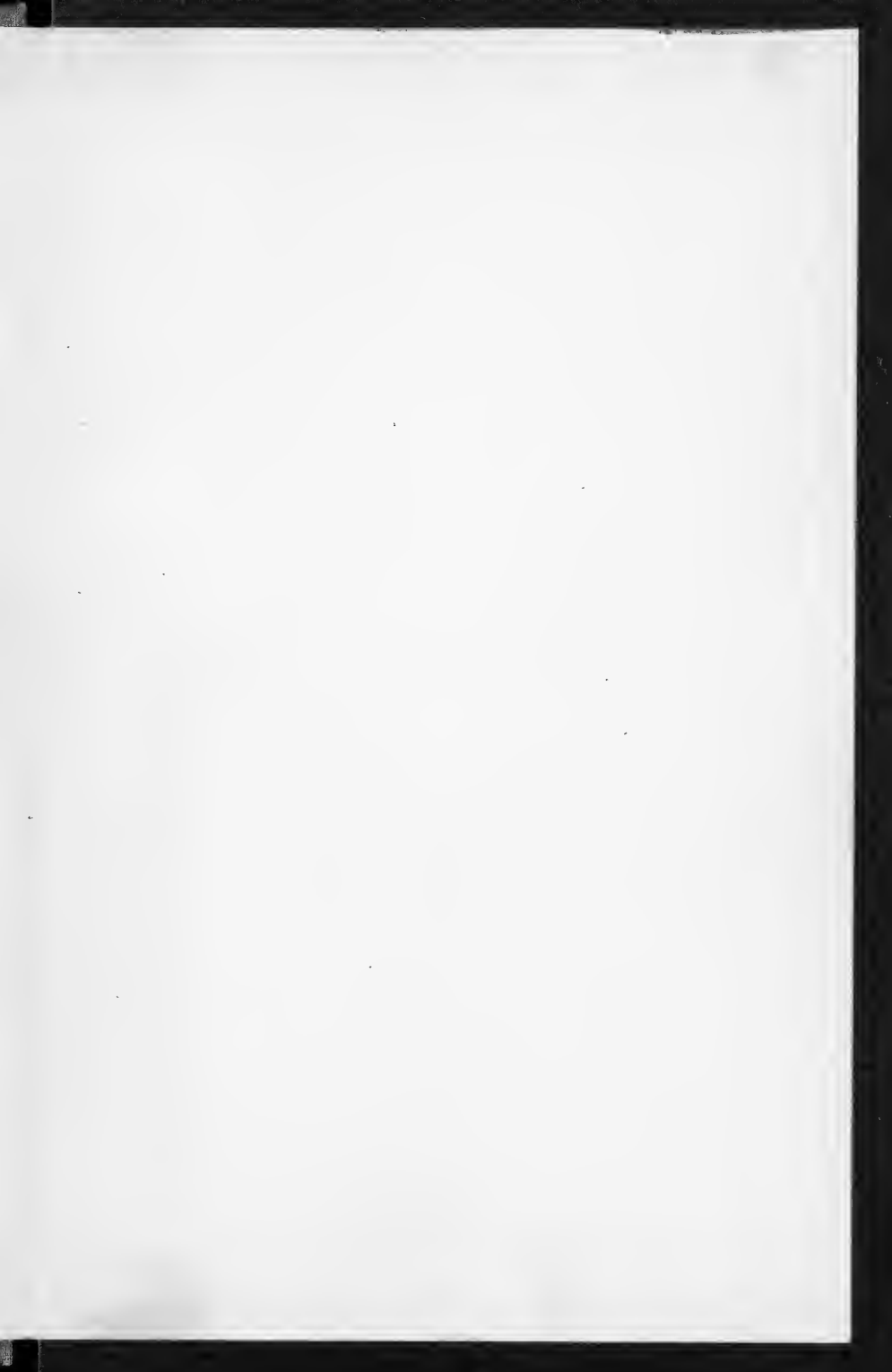
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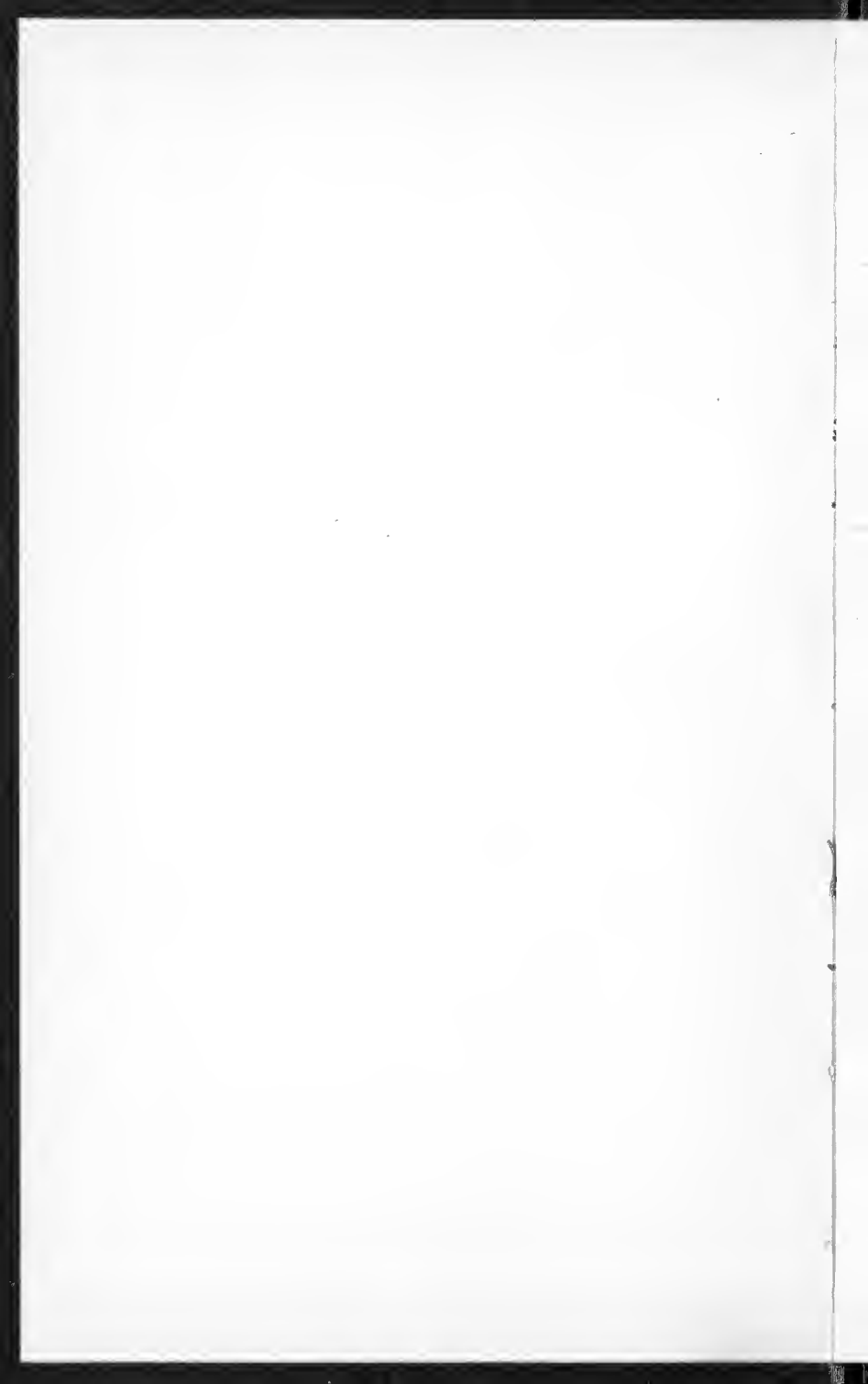
Reed C. Rollins

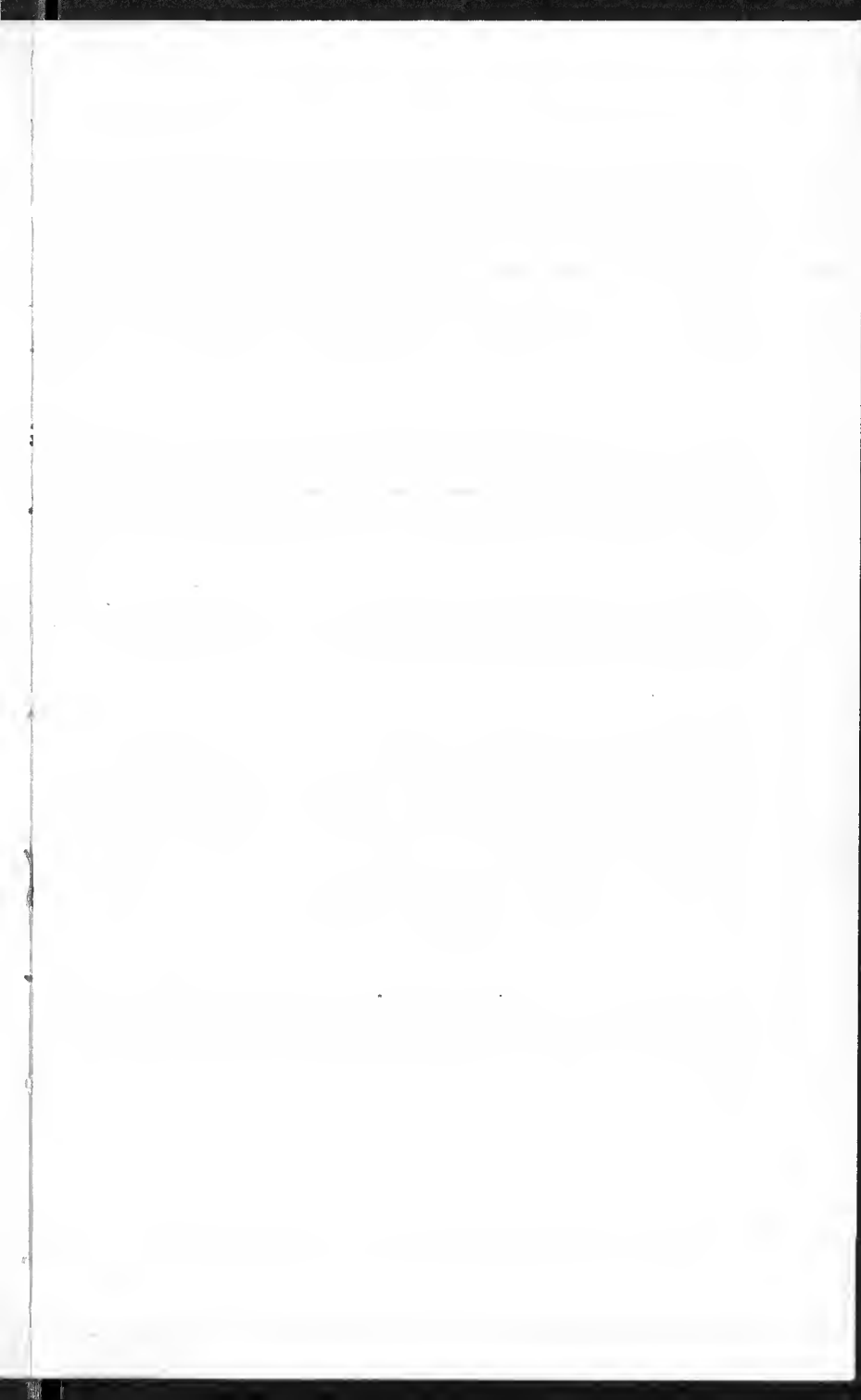
22 Divinity Ave.

Cambridge 38, Mass.

U. S. A.







With Rolla M Traynor

5801

Parthenium hysterophorus L.

(2)

Fls. white, abundant in fields
and along roadside, 3 miles north
of New Braunfels, Comal Co.,
Texas. Nov. 13, 1958

(Malaga 2409?)

5802

Linum rigidum Pursh var. *filifolium*
Shinn.
Fls. orange, perennial, 4 mile.
southwest of C. Nuevo Laredo,
Tamaulipas, Mexico - Nov. 14
Sandy area

5803

Pteleoxia texana D.C. var. *texana*

Shrubby, ligules purplish;
as 5802

5804

Heliotropium confertifolium (Torrey) Torr.

Var. *confertifolium*

Fls. white, clumps caespitose.
as 5802

5805

Dyssodia pentachaeta (D.C.) Pol. var. *pentachaeta*
 ped.
 Cactaceae, fls yellow
 as 5802

5806

(Pectis) *Gutierrezia glutinosa* (Schauer) Sch. Bip.
 Shrubby up to 2 ft., diffusely branched
 as 5802

5807

Pectis ~~confertum~~ *confertum* Gray (5)
 fl. white var. *lyratum* (Gray) Rollins
 as 5802

5808

Argythamnia neomexicana (Engelm.)
 Muell. Arg.
 gravelly soil 34 miles north
 of Nuevo Laredo, Nuevo Leon
 Nov 14

5809

Flourestina tripteris D.C. Comp
 Ray fls white

5810

Lantana graveolens HBK Verben
 Shrub. - 1-3 ft. high - minty odor,

- 5811 *Ximerisia encelioides* Cav.
Fls. yellow - diffusely branched
as 5808
- 5812 *Bouteloua trifida* Thurb. (6)
perennial. det. Kecker
as 5808
- 5813 *Panicum hirticaule* Pa. Gramineae (6)
13-inch grass det. Kecker
as 5808
- 5814 (*Cnidocochlos*) *Solanum rostratum* Dunal
Fls. yellow, clumps along road.
- 5815 *Chamaesaracha coronopus* (Dunal) Gray
(*Physalis* ?)
Fls. cream colored, clumps
annual.

5816 *Physalis lobata* Torr.
Fls. purple.
Annual.
as 5808

5817 *Sphaeralcea hastulata* Gray (Malvaceae)
Fls. reddish-orange
as 5808

5818 *Ipomoea trichocarpa* Ell.
limestone hill, ^{gravel and chips,} 1 1/2 miles. S. of town
of Monterrey, Nuevo Leon,
Alt. 2100 ft.
Nov. 15, 1908
Fls. rose purple

5819 *Convolvulus erecta* L.
Fls. pale blue
as 5818

5820 (*Martynia*) *Protorocidia fragrans* (Link.) Benth.
Fls. deep purple, yellow at center of
lower lip, splotted
as 5818

- 5821 *Mirabilis* (Allionia)
Fls. bright carmine,
perennial
as 5818
- 5822 *Connelia erecta* L.
Fls. deep sky blue,
as 5818
- 5823 (*Convolvulus* ?) *Sponsea costellata* Torr.
Fls. white, scrambling vine.
as 5818
- 5824 *Allionia incarnata* L.
Stems in groups, Fls. pink
- 5825 *Tridax coronopifolia* HBK. ^{Idem.} (Comp.)
Rays white, disc yellow.
Perennial

- 5826 *Chamaesyce cumbrae* (Bours.) Millsp.
(*Euphorbia*)
annual, erect and highly branched,
stems red.
as 5818
- 5827 *Eragrostis ciliaris* (Willd.) ②
annual, decumbent. *lutata*
as 5818 det. Kiedor
- 5828 *Cyperus inflexus* Muhl. (sedge)
annual, low wet spot.
as 5818
- 5829 *Tradescantia micrantha* Torr.
Fls. pink.
as 5818
- 5830 (*Cerastium*) *Drymaria laxifolia* Benth.
Fls. white.

- 5831 *Berlandiera lyrata* Benth. Comp.
heads yellow, perennial
as 5818
- 5832 *Mentzelia hispida* Willd.
Fls. orange
as 5818
- 5833 *Lanvitalia scymoides* DC Comp
Rays lemon yellow
as 5818
- 5834 *Evolvulus alainoides* L.
fls. blue to pale blue
Stems trailing in ground.
- 5835 *Cordia foissieri* DC
fls white with yellow throat, shrub.
as 5818
- 5836 *Parthenium confertum* Gray
var. *microcephalum*
Fls. white, perennial
as 5818

- 5837 *Dyesodia micropoides* (DC.) Loes. (Comp.)
Fls yellow, foliage waxy
gravelly knoll, 3 miles south
of Cadereyta, ~~south~~ east of Monterrey,
Nuevo Leon, alt. 1400 ft.
Nov. 15.
- 5838 (*Boehmeria* ?) *Acalypha hederacea* Torr.
spikes red.
as 5837
- 5839 (*phryphalis*) *Chamaesaracha villosa* Rydt.
Fls. lemon yellow, annual
as 5837
- 5840 *Sida procumbens* Sw. s.l.
Fls salmon yellow, perennial.
as 5837
- 5841 *Verbena canescens* var. *Roemeriana*
Fls. blue, perennial. (Schott) Perry

5842 (Rocha in) *Brickellia laciniata* Gray
Shrub 4-5 ft.
as 5837.

5843 *Lantana microcephala* A. Rich.
Fls. white, shrubby at base 1-2
ft.

5844 *Solanum erianthum* B. Don
Fls. white, shrubby, up to 4
ft. high. Cadereyta
18 miles south of Cadereyta,
southeast of Monterrey
Nuevo Leon - alt. 200 ft.
^

5845 *Eupatorium* sp. Comp.
Shrub up to 6 ft., much branched,
pale pink, nearly white
just east of Allende, Nuevo Leon,
alt. 1800 ft., Nov. 15, '58
(about 40 miles southeast of Monterrey)

5846 *Croton ciliatoglandulifera* O.B. Euphorb.
3-4 ft. high, very branching, glandular.
as 5845

5847 *Eupatorium odoratum* L. Comp.
heads ~~blue~~, woody at base, comp.
as 5845

5848 *Verbesina pensisifolia* D.C. Comp.
fls. yellow.
2 ft. high.
as 5845

5849 (*Solanum*) *Solanum Rollinsii* M.C. Johnston.
Fls. white; fruits with dark green
vertical stripes, then yellow when ripe.
sp. nov.

(2610)
shaly soil; 28 miles south of
Monterey, N.B. - alt. 1800 ft.

5850 *Euphorbia villifera* Acheck.
as 5849

5851 (*Euphorbia*) *Chamaesyce prostrata* (Ait.) Small
plants prostrate
as 5849

5852 *Oxalis drummondii* Gray
Fls rose purple, under leaf ^{and} deep red.
(det M.F. Denton)
Shrub ^{to} 10 ft., near top Chipping
Mesa, west of Montezuma,
alt 3200 ft. Nov. 16. 56

5853 *Sesuvilla pallens* (Pursh) Spring (3)
Wet bank, as 5852

5854 (Denton) *Stellaria prostrata* Ell.
Fls white, succulent
as 5852

5855 *Nana biflorum* Choisy Desmeritense?
Fls white, caespitose
as 5852

5856 *Eupatorium* sp. Comp
Fls. white, sparsely shrub, 7 ft
bank.
as 5852

5857 *Salvia mrolensis* Fern., var. aff.
Fls. blue. shrub. 3 ft. high
as 5852

5858 (photo) *Arbutus xalapensis* HBK
Fruits red. shrub about 3 ft. high,
rock, oak-pine woods,
4, 300 ft
Nov. 16

5859 *Pilea microphylla* (L.) Liebm.
wet bank
as 5858

5860 *Pellaea atropurpurea* (L.) Link ①
Rocky bank
as 5858

5861 (*Agave* in) *Chaptalia nutans* (L.)
Heab. int Polak.

5862 *Cyrt. umbonatum* (Underw.)
Among rocks in oak woods
as 5858 Morton ①

5863 *Blasia cordifolia* Lag. ②
Among rocks, oak
woods - as 5858

5864 *Pteridium aquilinum* var. *caudatum* (L.) Sadebeck ②
Among limestone rocks, oak
woods, as 5858

5865 (*Phyllanthus*) *Acalypha dioica* S. Wats.
pine woods. woody at base

- 5866 (*Sernardia*) *Croton fruticulosus* Torr.
low sprangly, shrub, up to 5 ft.
high, dense, Oak-pine woods
as 5858
- 5867 *Eupatorium incarnatum* Walt (Co. p.)
low ~~up to 5 ft.~~ trailing, heads numerous.
sterile
- 5868 *Verbena bivalve* (L.) Britt.
flowers white with a purple tinge
on the lower lip
Oak-pine woods, as 5858
- 5869 *Polypodium plesiosorum* Agc. (2)
on limestone rock, as 5858
- 5870 *Cardamine mexicana* Schrad. (4)
limestone clump, as 5858

- 5871 *Cardamine auriculata* Wats. 8
fls. white, wet bank. highly branched
alt. 4, 400 ft.
- 5872 (*Ceraetium*) *Drymaria laxiflora* Benth.
Fls. white, highly branched
as 5871
- 5873 *Cardamine mexicana* Schreb.
steep slope, ^{and open talus} fls. white, plants
diverse
as 5871
- 5874 (*Epilobium*) *Oenothera luntiana* (Spect)
Fls. deep rose, open talus ^{Many}
as 5871
- 5875 *Eupatorium* Sp. Comp.
heads white, herbaceous, sterile form
as 5871
- 5876 *Stevia berlandieri* Gray
heads light pink, shrub about
~~1~~ 1-2 ft. high
as 5871

5877 *Rubia chlorolepis* W & S Comp.
Woody at base, heads maroon,
as 5871

5878 *Eupatorium* sp.
Heads light purple, ^{herbaceous} woody at base
alt. 4,000 ft. ^{as 5871}
5871

5879 () *Hedyotis ciliolata* (Lam.) Fosc.
3 miles west of Monterey,
alt. 2500 ft.
Nov. 16th 1910

5880 () *Aloysia macrostachya*
as 5879

5881 () *Nierembergia viscosa* Torr.
rose purple, woody at base,
as 5879

5882 (*O. sterna*) *Calyclophus Hartwegii* (Benth) Raven
Fls. yellow, perianth
limestone hillsides, western on the
of Monterey, alt. 2100 ft.

5883 *Euphorbia dentata* Michx.
linal
as 5882

5884 (*E. californica*) *Salvia texana* (Scheele) Torr.
Fls. deep blue, perianth
as 5882

5885 *Florestina tripteris* DC. Comp.
linal, seeds white
as 5882

5886 (*Euphorbia*) *Chamaesyce nutans* (Lag.) Small
variegated, linal, seeds
as 5882

5887 *Abutilon hypoleucum* A. Gray
Fls. yellow; shrubby up to 10 ft.
high
as 5882

5888 (*Salvia*?) *Lippia graveolens* HBK
Fls. white
as 5882

5889 (*Sida*) *Herissantha crispata* (L.) Brinckley
Fls. yellow, up to 10 ft.
high
as 5882

5890 (p.t.) *Neophrinea integrifolia* (Hensl.)
Shrub up to 10 ft. high
Wats.
as 5882

5891 *Sida ballotaeflora* Benth.
Fls. yellow, up to 10 ft. high
as 5882

5892 (*Brickellia*) *Brickellia laciniata* Gray
Shrub up to 10 ft. high
as 5882

5893 *Euphorbia greggii* Gray (7)
Fls. white, sprawling, perennial
gravelly outwash, 5 miles west
of Santa Catarina toward Sactillo,
alt. 3000 ft. - Nuevo Leon
Nov. 17

See 58321

5894 *Lepidium lasiocarpum* Nutt.
annual. as 5893

5895 *Leavenworthia quadrangulata* Heller
annual.
as 5893

5896 *Abronia* ?
Fls. corolline, petals 2 joined
as 5893

5897 (*Scaevola*) *Palvia rhyacophila* Fern.?
1 ft high fls. pale blue.

5898 (*Quadrifida*) *Palvia reflexa* Hornem.
1-3 ft tall fls. pale blue

5809 *Gutierrezia microcephala* (DC.) Gray

woody shrub - to 10'
rays yellow
as 5893

58100 *Erythraea mexicana* (Brongn.) I.M. Johnston.
Fls. white, annual
as 5893

58101 *Nema perpyllodes* Gray
coarse shrub pink,
as 5893

58102 *Tragus berteronianus* Vahl (4)
Schult. det. R. C.

58103 *Heliotropium angiospermum* Nutt. B. C. C.
to 12' tall, fls. purple

58104 *Draba cuneifolia* Nutt. (7)
var. integrifolia Watson
Annual, shade of large bunches,
gravelly slopes, between Monterrey
and Saltillo, 24 miles east
of Saltillo in Nuevo Leon.
alt 4000 ft.
Nov. 17th

58105 *Nerispermia camporum* (Gray) Greene (2)
perennial, gravel outwash from
mountain, between Saltillo and
Monterrey, 21 mi. ~~west~~ east
of Saltillo, Nuevo Leon
alt 4,000 ft.

58106 (*Cicmophila* ?) *Nama undulatum* HBK.
Fls. magenta, flat desert, canyon
floor,
alt 4,200 ft.

58107 (*Cicmophila* ?) *Coldenia purpusii* Brongn.
Fls. magenta, forming mats.
as 58105

58108 *Parthenium incanum* HBK
low shrub, 2 ft high
as 58106

58109 *Heliotropium Torreyi* L.M. Johnston.
low grey shrub, 1 ft high. 1 c. each
leaves, steep slopes
as 58105

58110 *Flourensia cernua* DC. Comp.
viscid shrub, 1-2 ft, desert,
heavy soil, 10 miles east of
Saltillo, Coahuila - 4,800 ft.
Nov. 17.

58111 *Tridens avenaceus* (HBK.) Gram. ⑥
tasted 4. take.
as 58110 det. Reeder

58112 *Pectis angustifolia* Torr. Comp.
heads yellow, prostrate.
as 58110

58113 *Flaveria trinervia* (Spreng.) C. Mohr (Comp.)
Prostrate herb, somewhat succulent,
heads yellow
as 58110

58114 (*Setaria*) *Haplosethes greggii* Gray var. *greggii*
herb. yellow, widely distributed
as 58110

58115 *Setaria argyrea* [complex]
Prostrate.
2 miles south of Toluca, Coahuila
Alt. 5000 ft. Nov. 18
subsp. *diffusa* (Roll.) Roll. & Shaw

58116 (*Hymenocallis*) *Hymenocallis scabrum* C & S
Fls. yellow, widely distributed
from Mexico to Central America

dioica Cav.

5811 *Glyphosperma palmeri* Wats. Lilac
Fls. pale rose in the day & orange in evening,
as 58113

58117 *Portulacaria bipinnatifida* (Ortega) Rollins
Annual, p. 2. etc.

58118 *Townsendia mexicana* Gray
perennial, p. 2. etc.

58121 *Argemone argyrea* (Gray) Wats.
Fls. deep + ...
... ..

$n = 7$

58122 *Loeselia coerules* Don. mint
Fls. purplish blue, calyx translucent
as 58121

58123 *Dipsodia pinnata* (Cav.) Rob. ^{var. pinnata}
Corys.
heads with deep orange, perianth
as 58121

58124 *Dipsodia petifolia* (Lag.) Rob. ^{var. petifolia}
Corys.
heads orange, subsessile
as 58121

58125 (*Pilea* ?) *Hedyotis acenosa* Gray
Fls. pinkish lavender, perianth
as 58121

58126 *Bouteloua gracilis* (Lag.) Lag. (4)
as 58121 det. Nees

58127 *Brickellia veronicocarpa* var. ^{*petraeifolia* (Robt.)}
Corys.
Rayless, small shrub up to 8 inches
high
as 58121

subsp. diffusa (Roll.) Roll. & Shaw

57128 *Lesquerella argyrea* [complex]

Seemingly more dense than 58128

12 miles south of Tipton,
alt. 5,400 ft.

open plain

58129 *Giliastris conosa* Gray

Rays reddish orange
as 58128

58135 *Nerispermia Castillonii* Robinson

Fls. white to pinkish. mostly white

hemispherical clumps with ascending
leaves and stems. Stems like flat,

10 miles south of Tipton,

alt. 6,600 ft.

Nov. 18,

58137 *Lesquerella bicolor* (Gray) Wats. (6)

hemispherical clumps, as 58130

n = 6

5812

Parthenium confertum Gray var. *lyrathum* (6)

Large root - but not or possibly perennating
as 58130

5813

Albostemum stellatum (Wats.) Schulz (12)

apicalis. slightly, not at base, greenish,
in shade of red at base, narrowing
on petiole, 26 miles south
of ...

Nov. 18

5814

Chrysopsis macrocephala Rollins (12)

plants with long foot growing on
of low shrubs.
as 58133

5815

Salvia greggii Gray

Shrub about 3 ft high fls
light ...
as 58133

58136

Aster Schaffneri (Wats.) Schulz
 var. *pringlei* (Schulz) Rollins
 Fls. white, or dark, widely branching,
 often growing in small clumps
 desert shrubs
 as 58133

(12)

58137

Nathalia sinuata var. *cochiseensis* (Gooden)
 fls. yellow
 base of shrubs
 as 58133

Watts

(Gooden)

(1)

58138

Isocarpha Wrightii Hieron
 moist earth
 as 58133

(1)

58139

Cubotarium macropetalum Rollins
 Fls. white, petals spatulate, shade
 of desert shrubs, steep slopes,
 12 miles east of Saltillo, Coahuila
 alt. 5,000 ft.
 Nov. 19, 1958

(10)

58140

Lesquerella Fendleri (Gray) Wats.
 erect habit, only plant found.
 open shrub
 as 58139

(1)

58141 *Sp. des antiaphilitica* Mey.
Small white, slender, but not

(Gray) Wats.
argyrea [complex]
prostrate, green

subsp. *diffusa* (Roll.) Roll. & Shaw

58143 *Nathalia pauciflora* Tyeon ①
Stems green, slender

58144 *Orthocentrus* Kuhn ①
~~58143~~

58145 *Chilanthus castanea* Maxon ①
58143

58146 *eschscholmiana* Kl. ①
as 58145

58147 *Notanthe simulata* var. *integerrima*
Hook. (2)

58148 *Melampodium leucanthemum* Griseb.
var. *argophyllum* (Gray) Planch.
58139

58149 *Lesquerella Fendleri* (Gray) Wats. (5)
Rocky slopes, 2000 ft., 15 miles S. of
Cochitilla, Chihuahua
Cochitilla

58150 *Lesquerella cuneifolia* Nutt. (5)
Rocky slopes, 2000 ft., 15 miles S. of
Cochitilla, Chihuahua

58151 *Salvia greggii* A. Gray
Fls. orange, shrub 4 ft. high
Cochitilla, Chihuahua, 58149
58140

58152 (*Lesquerella*?) *Buddleya marubifolia* Benth.
Fls. orange, shrub 4 ft. high
Cochitilla
Cochitilla

58153 *Notula* (Maxon) Brown^①
milae a var. mexicana
Sole of steep bank among rocks and
near creek side.
as 58149

58154 *Notula* (Wood) Wenth.
cochiseensis^②
dry, rocky bank
under tree
as 58149

58155 *Notula* (Woot.) Wenth.
cochiseensis
dry, rocky bank

58156 *Loxocarpus piliferus* A. Br.^④
dry, rocky bank

58157 *Loxocarpus ciliatus* L.
Fls light purple, trailing
herb.
as 58149

58158 *Pinaropappus roseus* Less
base of the first ray. p. l. ...
pine forest, on mt., 21 miles
southeast of Saltillo, at 7,300 ft.
income: Nuevo León

Nov. 20

58159 *Pinaropappus roseus* Less, comp.
base of the first ray, p. l. ...
as 58158

resiliens Kze. (1)
base of the first ray, p. l. ...
as 58158

58161 *Lesqueris argyrea* [complex]
subsp. *diffusa* (Roll.) Roll. & Shaw
(Gray) Wats.
base of the first ray, p. l. ...
as 58158

58162 *Lepidium oblongum* Small
under shade.
as 58158

(2)

58163

Antiphytum heliotropioides A. DC.
 Boiss.
 W. h. at base, fls. w.
 as 58158

Nuevo León

Scilla Schaffneri (Wats.) Schulz (1)
 var. *Pringlei* (Schulz) Rollins

as 58158

Nov. 20

58165

Lesquerella argyrea subsp. *diffusa*
 decumbent with terminal racemes,
 plants in exposed places much
 denser and more robust
 Lower edge of pine woods.
 3 1/2 miles north of Saltillo, north
 of Providencia, Nuevo León.
 alt 6,700 ft. Nov. 20

(*Antiphytum*) *Drymaria latiflora* Benth.

58167 *Lepidium* *nobile* Nutt., var. *alysoides* (Gray) Jones
 level alkali area, about 1 mile
 south of Providencia, ^{Marquesas} 46 miles
 south of Saltillo, Oct. 20
 Nov. 20

58168 [*Verbesina*] *Verbesina encelioides* (Cav.)
 as 58167 Benth. & Hook.
 det. C. B. Heiser, Jr.
Ximerisia encelioides Cav.
 det. Marshall Johnston

58169 *Impatiens mexicana* Spr.
 large, prostrate, ...
 at ...
 as 58167

8170 *Phacelia* *volcanum* (Seem.) Eich.
 on ...
 fruits ...

58171 *Synthyris Greggii* Gray (10)

Fls. purple, abundant, among
dense shrubs.

South of La Paz, 3 miles from

80 miles south of San

Alt. 5,500 ft Nov. 20

58172 *Sphaeralcea subulata* Coulter

Fls. yellow, among

as 58171

58173 *Perezia nana* Gray

Fls. yellow, among

as 58171

58174

Fls. deep yellow to nearly orange
begin

as 58171

58175 *Nerayrenia Castillonii* Rollins

(4)

Fls. white - very short
mossy forest

many hyaline of grayish & warts
the top, 29 miles west of the town
Mesa Leon, alt. 5,000 ft. Nov. 20

58176 *Conoclinium greggii* Gray

fls. blue, rays fine
as 58175

58177 *Dyckia linearis* (T & G) Ktze. (approaching
Fls. magenta with *D. guianensis*
as 58175

58178 *Lespedeza argyrea* [complex] (Gray) Wats.

dry exposed place
in shade of rocks
~~the~~ branch down - mossy, 3 miles
south of the town, alt 5,000 ft.
Nov. 20

subsp. *diffusa* (Roll.) Roll. & Shaw

58172 *Cowania plicata* D. Don Rosaceae
 Shrub up to 5' edge
 of bluff above a road. Fls purplish
 red, bark grey.
 as 58178

58173 *argyrea* subsp. *diffusa* (Bray) Wats. (Roll.) Roll & Shaw
 prostrate shrub, 1-2' tall
 on rocky hillside
 2 miles south of Rosana
 as 58178 Nuevo León

58174 *macropetalum* Roll & Shaw
 4 m. to the ...
 alt 6,000 ft
 Nuevo León

58175 *Schaffneri* (Wats.) Schindler
 var. *fragrans* (Schindler) Roll & Shaw

58183 *Parthenium bipinnatifidum* (Ortega) Rollins ^(*)
Annual, acacia-barren area
alt. 6,300 ft. in Nuevo Laredo
26 miles north of Matamoros,
San Luis Potosí
Nov. 20.

58184 *Lesquerella argyrea* [complex]
Prostrate, greenish, low-growing plants
growing in deep sand in
leguilla thickets, narrower
more miles. plants growing in
on limestone chips - both in contiguous
patches, slightly spreading at distance.
10 miles north of Matamoros,
S.L.P. - alt. 6,300 ft. Nov 21
subsp. diffusa (Roll.) Roll. & Shaw

58185 *Stewartia* I.M. Johnston.
Fls. purplish.

58186 *Zaluzania triloba* (Ort) Pers. Comp.
Common, barrea-acacia scrub
18 miles south of Matamoros, S.L.P.
alt. 4,800 ft.
Nov 21

58187 *Nerisyria Castillonii* Rollins (8)
 fls white, leaves long, plant
 erect, with
 abundant in yucca flat, gypsum
 3-4 miles from the station
 500 ft. alt. 10,000 ft
 Nov 21

58188 *Conium maculatum* L.
 fls blue, leaves
 yellowish
 as 58187

58189 *pedunculata* Engelm. ex Wats.
 as 58187
 5 ft. tall
 as 58187

58190 *Mytillocactus geometrizans* (Naud.) Coville
 Highly branched, trunk up to 1 ft. in
 diameter, branches at base up to 45 ft.
 high, trunk and branches with
 spines on the ridges.
 5 miles north of Matuhuala.
 Nov. 21

58191 *Cylindropuntia stellatum* (Wats.) Schulz (15)
 present, steep hillside
 50 miles northeast of San Luis
 Potosi on the road to Matuhuala,
 alt. 5,500 ft. Nov. 21.

58192 *Lesquerella schaffneri* Wats.
 with terminal rosette, fruiting branches
 trailing
 as 58191

58193 *Seta Schaffneri* (Wats.) Schulz (6)

58194 *Lespedeza lasiocarpum* Nutt. ①
as 58191 var. *orbiculare* (Thell.) C. L. Hitchc.

58195 *Asclepias linaria* Cav.
Fls. white, stem up to 5 ft. tall
as 58191

58196 *Desmodium ludoviciana* Nutt.
Fls. completely lighter in tube
found near the same place as
58191

58197 *Cheilanthes horridula* Maxon ①
Fls. white, stem up to 5 ft. tall
as 58191 [see 58318]

58198 *Notholaena* (Liebman) Tuckerm. ②
Rock crevices and humus pockets,
as 58191

58199 *Sphaeralcea angustifolia* (Cov.) G. Don. Malvaceae
Fls. pinkish. Shrub up to 4 ft
high,
as 58191

58200 *Sphaeralcea Greggii* Gray (8)
pinkish-purple, dec. shrub,
as 58191

58201 *Helietta parvifolia* Benth.
Shrub, 1-2 ft high, white
flowers,
as 58191

58202 *Hibiscus cardiophyllus* Gray Malvaceae
Fls. deep red
Shrubby, 1-2 m.
as 58191

58203 *Holboellia berlandiera* D.C.
Fls. white, open, 1-2 m. high
15 miles north of San Juan Potosi
alt. 6,400 ft.
Nov 21, '58

58204

Halimolobos parrisi (Hemsl.) Rollins

15

3

Stems erect, pedicels sigmoid
limb gravel, 16 km. S.E.
as 58203

58205

Asplenium lasiocarpum Nutt.

2

as 58203 var. *orbiculare* (Thell.) C. L. Hitchc.

58205a

W. oblongum Small - ①

58206

Bouteloua stolonifera Scribn. det. tent. ④

as 58203

58207

Lesquerella schaffneri Wats.
Stems erect, pedicels sigmoid
limb gravel, 16 km. S.E.
southeast of ...
S.E. p. alt. 6,400 ft.
Nov. 22

58208

Elymus Greggii Gray, var. *hispidula* Rollins

5

Stems decumbent,
as 58203

58209 *Halimolobos parryi* (Hemsl.) Rollins (4)
Shade and protection of heavy brush and
cacti - 18 Km. southwest of ~~San Juan~~
alt 6,400 ft
Fls. white S.L.P.!

58210 *Securaria Virletii* (Fourn.) Schulz (4)
glandular, pedicels and sepals
pale pinkish white
as 58209

58211 *Nerineopsis Castillonii* Rollins (4)
Fls. white
as 58209

58212 *Lesqueris schaffneri* Wats.
large plant - close to road -
rocky areas
58212

See 58319 from same loc. as 58209

58213 *Cheilanthes myriophylla* DC. ②
limestone in shade
as 58209

See 58319

58214 *Phytolacca americana* L.
limestone, rocks, up to 3 ft
15 miles west of San J. P. 1900,
S.W.P. - alt. 7800 ft.
Nov. 23.

58215 *Cheilanthes* sp. ①
moor mats (near, wetland) on rocks
shaded hillside, 15 miles west of
San J. P. 1900. Sierra San
J. P. 1900.

58216 *Notholaena aurea* (Poir.) Desv. ①
as 58215

58217 *Salazarella pallescens* (Br.) Spring ①
as 58215

58218 *Pellaea ternstroemia* (Cav.) Link var.
as 58215 *ternstroemia* ①

58219 *Pellaea ternstroemia* (Cav.) Link var.
as 58215 *ternstroemia* ①

58220 plantage
Rock, knoll

58221 *Aegopogon cenchrroides* HB ⑤
as 58220 ex Willd.
det Kecker

58222 *Pellaea ovata* (Desv.) Wcath. ①
at base of arborescent cacti, gentle slope
40 miles southwest of San Luis Potosi
S. L. P. alt. 7,400 ft.
Nov. 23

58223 *Notolagidia aurea* (Poir.) Resv. ①
as 58222

58224 *Nötholaena sinuata* (Sw.) Kauff. var.
as 58222 *sinuata* ①

58225 *Cheilanthes myriophylla* Desv. ②
as 58222

58226 *Pellaea sagittata* (Lam.) Link. var.
as 58222 *cordata* (Lam.) Ait.
Tryon ②

58227 *Notocaulis bivalve* (L.) Britton
fls white, perianth purple
sloopy grassy area

58228 (*sinuata*) *Mecandouia vandelliioides*
fls yellow (HBK) Pennell
as 58227

58229 *Hahniovitis Palmeri* (Hemsl.) Schindler ①
var. *acutifolia* Robinson
base of cacti as 58222
only plant for 2

58230 *Aphaeratalcea angustifolia* (Cav) G Don
 Rose cave d. fir, 4 miles west
 of Ornelos de Jalisco, Jalisco
 alt 7,600 ft
 Nov. 23

58231 (Holland) *Evolvulus prostratus* Rob?
 1 ft. tall, weed, at base of
 in decaying rock 5 miles west
 Ornelos de Jalisco
 alt. 7,600 Nov 23

58232 *Selaginella Santorii* Hieron. (2)
 mats on rocks under
 as 58231 [see 58320]

58233 *Selaginella rupestris* Underw. (1)
 on white rocks, masses on
 thin soil. 26 miles west
 Ornelos de Jalisco
 alt 7,400 ft. Nov. 23

58234 *Selaginella Sellowii* Hieron. (4)
 as 58233

58235 *Chenopodium lindheimeri* Hook. (1)
abundant in riverbeds
in rock crevices
as 58234

58236 *Mimulus mexicana* HBK. (3)
Floating in small ^{eph.} pool, 2 ft.
north east of Tancitaro, Durango,
Agua Caliente. Alt. 5,000 ft.
Nov. 24

58237 *Lepidium cordatum* Gray (1)
Under rocks
flat land 19 miles south of
Zacatecas, Zacatecas

58238 *Lepidium virginicum* L. (2)
as 58237 var. *durangense* C. L. Hitchc.

58239 *Hesperis palmieri* (Guss.) Schleg. (3)
as 58237 var. *acutifolia* Robinson

58240 *Parthenocissus bipinnatifida* (Ort.) Roll.
as 58233

58241 (*Pectis*) *Dysodia tenuifolia* (Cass.) Loeb.
Fls. orange, anthers

58242 *Plantago*
as 58241

58243 *Parthenocissus simplex* has 5
protruding det. leaves

58244 *Lespedeza argyrea* [complex]
Park at Zacatecas
limestone rubble, anthers
decumbent
5 miles north of Zacatecas
Zacatecas - alt 7,500
Nov. 24
subsp. *diffusa* (Roll.) Roll. & Shaw

58245 *Lesqueria argyrea* [complex]
Fls. yellow, fruiting stems decumbent,
calyx open at anthesis, lvs. pubes-
cent, 12 miles north of
Zacatecas - alt 7000 ft.
Nov. 24

subsp. *diffusa* (Roll.) Roll. & Shaw

58246 *Reesda luteola* L.
Vigilantly looking plant, apical
silicles elongate
as 58245

58247 *Hemibryonia laevigata* (Benth.) Greene
Fls. yellow, stems decumbent, fruiting
stems elongate, silicles elongate, widely
obovate, fruiting, pubescent
protection and shade in canyon
20 miles north of Zacatecas,
Zacatecas - alt 7000 ft.

58248 *Lesqueria mexicana* Gray
Fls. white, decumbent, rays white
as 58247

guerrifolia (HBK)

58247 *Datura stramonium* L. subsp.

Barclay

Annual, widely branched, prostrate
by cactus and acacia, flat
area, 32 miles north of Zacatecas,
Zacatecas - alt 6,500 ft
Nov. 24

58248 *Datura auriculatum* Gray (10)

1 to 2 m. tall, spreading
in brush, p. 1. base of
leaves. alt. 6,500 ft
Nov. 24

58249 *Datura acutoloba* (Walt.) Hutch. (4)
In shade of cactus and
acacia - as 58247

58252 *Habenaria lasiophylla* (Link.) Schlegel ①
 Fls. white, nict. ...
 20 miles north of Fresnillo, Zacatecas.
 alt. 2,000 ft.
 Nov. 25

58253 *Ophiorhiza Engelmannii* Benth ②
 Clay soil ...
 32 miles north of Fresnillo,
 Zacatecas alt. 3,000 ft.
 Nov. 25

58254 *Habenaria patens* (Hornem.) Schlegel ③
 var. *acutifolia* Rollins
 Prosopis ...
 on deep soil 34 miles
 north of Fresnillo
 alt 7,000 ft - Nov 25

58255 *Habenaria lasiophylla* (Link.) Schlegel ④
 ...

58256 *Cheilanthes villosa* Davenp. ②
crevices of white rocks, on east-
facing exposure.

58257 *Cheilanthes Eatonii* Baker ⑥
as 58256

58258 *Polypodium thysanolepis* A.Br. ①
as 58257

58259 *Polypodium hispidum* (Kuhn) Underw. ①
as 58257

58260 *Selaginella peruviana* (Milde) Hieron. ①
as 58257

58261 *Polypodium Lindheimeri* Hook. ②
as 58257

58262 *Polypodium bipinnatifidum* (Ort.) Rollis ③
Annu. C. broad leaves
as 58257

58263 *Dalmanoxia* Mill. 7
Corolla white, not widely branching
up to 3 ft across. (largest leaves
taken) crevices of ^{dark} rhyolite
55 miles north of
Tres Marias, Barro Colorado, Decort,
Zacatecas. Alt. 6,500 ft.
Nov 25 (5 miles n. of Rio Grande)

58264 *Abutilon ellipticum* Schlecht. Malv.
Fls. orange, woody at base
as 58263

58265 *Wissadula holosericea* Schlecht, A.C.
Fls. orange, woody at base
as 58263

58266 *Conyza* Cav.
Fls. purple, perianth, large
as 58263

58267 *Polypodium sinuata* (Sw.) Kaulf. var.
as 58263 *Sinuata* ①

58268 *Nolholena cuneata* (Poir.) K.S.V. ①
as 58263

58269 *Scleropogon brevifolius* Phil. ⑥
forming clumps - level area
det. Reeder

58270 *Habenaria lasiophylla* (Link) Seem. ①
Under protective shrubs
58 inches tall
Zacatecas alt. 7,000
Nov. 25

58272 *Portulaca* HBK
Shrub up to 10 ft. flowers in
slate colored buds 32
southeast (Sombrosete) Sombrosete.
Zacatecas alt. 7,100 ft.
Nov. 25

58271
Shrub up to 10 ft. bark light gray,
petals greenish white
as 58271

58273 *Lesquerella schaffneri* Wats.
 Fls white, siliques suber globose,
 globose, styles curving at tip,
 sprawling in border, limestone
 plate, 23 miles ^{south} east
 of Sombor, ...
 alt. 7,800 ft. Nov 25

58274 *Bergenia lyrata* Benth. (3)
~~*B. thymifolia*~~
 perennial with a large ...
 ligules white, notched at apex, 1-3
 ...
 as 58273

58275 *Parthenium bipinnatifidum* (Ortega) Polak (8)
 ligules white, ...
 much branched ...

58276 *Marsilea mexicana* H.Br. (2)
 margin and floating in ephemeral
 pool, roadside, large leaves
 for among rocks, 5 miles
 north ...
 alt. 6,400 ft. Nov. 26.

58277 *Datura innoxia* Mill.

Fls white, plants ca. 2 ft. high, up to 4 ft across.
limestone chips - as 58277
58 miles northeast of Durango,
Durango alt 6,650' -

58278 *Lesq.*

possible *h. f.* on limestone chips - as 58277

Berlandiera lyrata Benth.

(14)

58279

~~*Berlandiera lyrata*~~

open area on limestone soil

rays yellow, purple veined below, 8
ray flower per head, continue over
the whole plant -

58280

Lesq. Breggia Gray

(5)

Fls pink, occas. white, sprawling
on a gravelly hillside, limestone rock
around. *Lesq. Breggia* ingredient.
74 miles northeast of Durango,
Hgo. alt 6,650'
Nov. 26

$n = 10$

58281 *Lesquerella Fendleri* (Gray) Wats. ①
base swollen, perennial, linear
slope 78 miles northwest of
Durango between Guadalupe Victoria
and Cuernavaca, alt. 6,400 ft
Nov. 26.

58282 *Opuntia arbuscula* Engelm. (?)
stem prostrate, up to 5 ft high,
woody at base, 1/2 in. diam.
leaves 1/2 in. long, 1/4 in. wide, touch.
82 miles northeast of Durango,
between Guadalupe Victoria and
Cuernavaca - Durango - Cuernavaca
Nov. 26

58283 *Synthyris linearis* Gray ①
Fls. pink - under shrubs

87 miles northwest of Durango,
between Guadalupe Victoria and
Cuernavaca, Durango.
alt. 6,000 ft - Nov. 26

58284 *Notholaena serrata* var. *cochisensis* (Goodl.)
Local on limestone hillside. Weath.
as 58283

58285 *Chionochloa Wrightii* Hook. ①
Under igneous rocks
as 58283

58286 *Anoda pentaschista* Gray Wm.
R. L. ...
as 58283

58287 *Parthenium bipinnatifidum* (Ortega) Rollins ③
Sandy feet, 1 mile northeast of
Guadalupe, Durango, road to Torreon.
alt. 5,400 ft. - Nov. 26

58288 *Nerisyrenia camporum* (Gray) Greene
Fls. white, fruits maroon, annual
barren. main body flat

54 miles southwest of
Toluca, northeast of Cuernavaca,
Durango

Nov. 26

alt. 4,900 ft.

58289 *Nicotiana edwardii* Gray comp.
rays purple, double striped
on back, annual
as 58288

58290 (*Indian Turn*) *Euphorbia antisiphilitica* Zucc
48 in. sw. of Toluca 4800 ft
crevice of limestone
(*rhyolite?*)

58291 *Thelypodium Paysonii* Rollins ⑦
same as 58290
annual, stems erect, (limb
erect, purple, fls. white
rock crevices, decaying rock,

58292 *Chusquea horridula* Maxon ①
as 58291

58293 *Nerisiprenia camporum* (Gray) Greene ⁽¹⁴⁾

Fls. white, very woody at base, leaves mostly entire, serrulate, thick and densely canescent.

Steep slope of desert mountain in calcareous or (gypsaceous?) soil. 42 miles east of Torreon, Coahuila alt. 4,000 ft. Nov. 27

n = 11

58294 *Lepidaria lasiocarpum* Nutt. ⁽⁹⁾

Imm. l. as 58293

58295 *Dalmanella lepidophylla* (Hook. & Grev.) ⁽¹⁾
in crevices of rocks Spring
as 58293

58296 *Thelypodium Paysonii* Rollins ⁽⁹⁾

Fls. white, pedicels at right angles, siliques slightly arcuate, ^{as 58293} largest plant 2 ft. high - smallest 4 inches, 44 inches

~~58297~~ east of Torreon, Coahuila
alt. 4,000 ft. Nov. 27

58297 *Votholaeum Standleyi* Maxon ⁽¹⁾

crevices of rocks.

as 58296

58298 *Nerisyrenia camporum* (Gray) Greene
Fl. white, leaves dentate
as 58297

58299 *Lepidodermis lasiocarpa* Nutt. (2)
var. *orbiculata* (Hilleb.) Hitchc.
same place

as 58295
58299a - *L. lasiocarpa* Nutt. - unisexual in A.H. Spring (3)

58300 *Selaginella lepidophylla* Hook. & Grev.
Rock crevices - common

58301 *Nerisyrenia camporum* (Gray) Greene (1)
Fl. white, open desert.
72 miles east of Tucson,
California alt. 3,900 ft.
Nov. 27

58302 *Polygala obscura* Benth. ? (40 young)
Same place as 58301
opposite, leaves ...
Contributes all ...
Nov. 29

Protonotaria
of ...

58303 *Datura innoxia* Mill. (2)

Fls. white -

4011 22 miles east of Pailon - junction off
to Párras, Coahuila.
alt. 4,200 ft. Nov. 27

58304 *Ipomoea* - conf. *Ipomoea* var. *Ipomoea* (4)
2 fls. white
as 58303

58305 *Nolana parvifolia* Teyon (1)

crevice, no 22

alt. 16 miles

Coahuila - alt. 22 Nov. 27

58306 *Ipomoea intermedia* Mother & Kuhn (1)
as 58305

58307 *Cheilanthes Eatonii* Baker (3)
as 58305 [see 58317]

58308 *Selaginella Wrightii* Hieron. (1)
as 58305

58309

Heliotropium confertifolium (Torr.) Torr.
 Caespitose. Wind swept hill.

7 miles west of Sattillo, Chihuahua
 alt 6,000 ft. - Nov. 27

58310

Lepidium oblongum Small (10)

10 miles west of Sattillo
 alt. 4,800 ft. - Nov. 28

58311

Synthyris Greggii Gray (8)

The white, spreading
 rubble, - - - - -
 Sattillo

alt. 3,000 ft. - Nov. 28
 Nuevo Leon

58312

Synthyris Greggii Gray var. (4)
 by other Gray collection

58313 *Lesquerella Berlandieri* (Gray) Watson
Basal rosette. Annual
shallow soil on limestone, 5 miles
east of Badereyta. In warm valley
and dry area. Rarest here
Alt. 1100 ft - Nov. 28th

58314 *Lesquerella confertiflora* Gray var. *microcephala*
Basal rosette.

58315 *Lesquerella Berlandieri* (Gray) Watson
Basal rosette.
In warm valley
Alt. 1100 ft - Nov. 28th

58316 *Lesquerella lindheimeri*
Basal rosette.
Black. 2 prae-typa, 2
Mata. 2 prae-typa, 8 miles
S. Mata. 2 prae-typa, 8 miles
Sea level - Nov. 29th

- 58317 *Notholaena Hachenbergiana* L.
split from 58307, same ①
data.
- 58318 *Cheilanthes notholaenoides* (Desd.)
split from 58197, Weath. ①
Same data.
- 58319 *Marsilea Fournieri* C. Chr. ③
Same data as 58209 but muddy
border of spherical pool. This coll.
was not listed originally.
- 58320 *Selaginella peruviana* (Milde) Hieron.
split from 58232, same ①
data.
- 58321 *Phyllanthus polygonoides* Spreng
(Euphorb.)
Same data as 5895 which it
was originally labeled.

21)

